

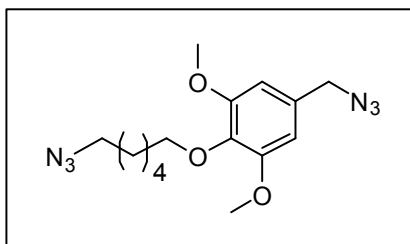
Electronic Supplementary Information

A Non-metal Catalysed Oxidation of Primary Azides to Nitriles at Ambient Temperature

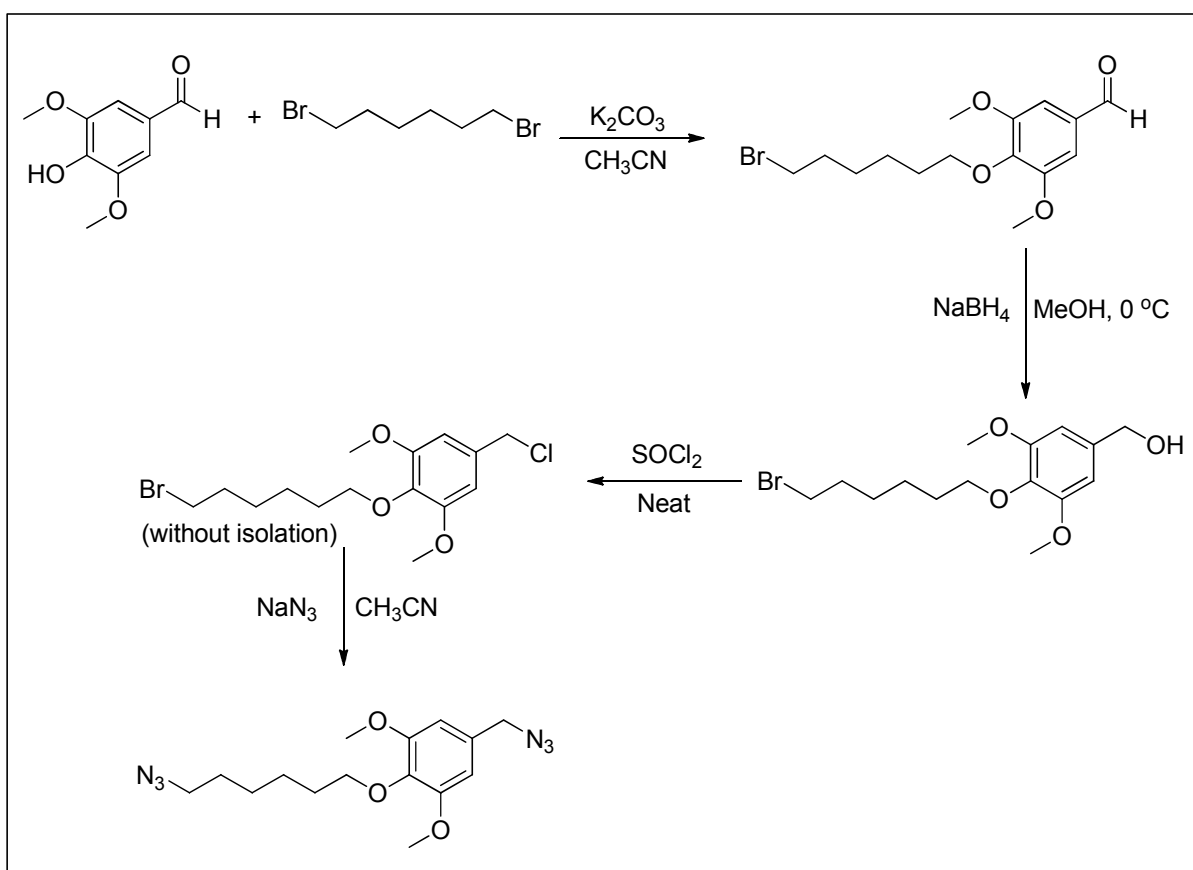
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1	Scheme for the Synthesis of 2-((6-Azidomethyl)oxy-5-(azidomethyl)-1,3-dimethoxybenzene	ESI-2
2	¹ H and ¹³ C Spectra of azides	ESI-5
3	¹ H and ¹³ C Spectra of Nitrile	ESI-41

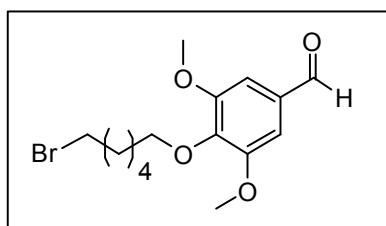
2-(((6-Azidomethyl)oxy)-5-(azidomethyl)-1,3-dimethoxybenzene(1o):



The above mentioned compound (1o) is synthesized through following scheme

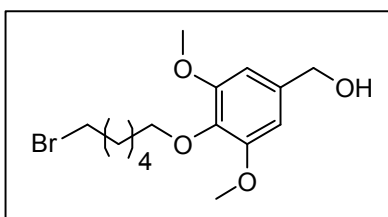


4-((6-bromohexyl)oxy)-3,5-dimethoxybenzaldehyde

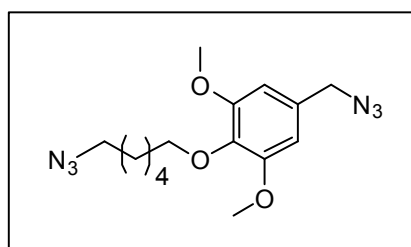


Colorless liquid; Yield - 70%; R_f (25% EtOAc/Hexane) 0.7; Prepared as shown in general scheme 1. $^1\text{H NMR}$ (400 MHz, CDCl_3): δ 9.87 (s, 1H), 7.13 (s, 2H), 4.08 (t, $J = 6.56$ Hz, 2H), 3.92 (s, 6H), 3.42 (t, $J = 6.76$ Hz, 2H), 1.92 – 1.86 (m, 2H), 1.81 – 1.74 (m, 2H), 1.53 – 1.50 (m, 4H); $^{13}\text{C NMR}$ (100 MHz, CDCl_3): δ 191.0, 153.8, 142.9, 131.6, 106.7, 73.3, 56.2, 33.8, 32.7, 29.8, 27.8, 25.0; **HRESI-MS** (m/z): Calculated for $\text{C}_{15}\text{H}_{21}\text{BrO}_4$ ($M + \text{Na}$): 367.0521, found ($M + \text{Na}$): 367.0520.

4-((6-bromohexyl)oxy)-3,5-dimethoxyphenyl)methanol



Colorless liquid; Yield - 90%; R_f (25% EtOAc/Hexane) 0.2; Prepared as shown in general scheme 1. $^1\text{H NMR}$ (400 MHz, CDCl_3): δ 6.58 (s, 2H), 4.61 (d, $J = 5.76$ Hz, 2H), 3.94 (t, $J = 6.64$ Hz, 2H), 3.83 (s, 6H), 3.42 (t, $J = 6.80$ Hz, 2H), 2.02 – 1.99 (m, 1H), 1.90 – 1.88 (m, 2H), 1.76 – 1.73 (m, 2H), 1.50 – 1.49 (m, 4H); $^{13}\text{C NMR}$ (100 MHz, CDCl_3): δ 153.4, 136.4, 136.3, 103.8, 73.1, 65.4, 56.0, 33.9, 32.7, 29.8, 27.9, 25.0; **HRESI-MS** (m/z): Calculated for $\text{C}_{15}\text{H}_{23}\text{BrO}_4$ ($M + \text{Na}$): 369.0677, found ($M + \text{Na}$): 369.0677.



(10)

Colorless liquid; Yield - 75%; R_f (25% EtOAc/Hexane) 0.7; Prepared as shown in general scheme 1. **IR** (Neat, cm^{-1}): 2097; $^1\text{H NMR}$ (400 MHz, CDCl_3): δ 6.52 (s, 2H), 4.28 (s, 2H), 3.96 (t, $J = 6.6$ Hz, 2H), 3.85 (s, 6H), 3.28 (t, $J = 6.92$ Hz, 2H), 1.79 – 1.72 (m, 2H), 1.65 – 1.60 (m, 2H), 1.53 – 1.43

(m, 4H); ^{13}C NMR (100 MHz, CDCl_3): δ 153.4, 137.1, 130.7, 105.2, 73.1, 56.1, 55.1, 51.4, 29.9, 28.8, 26.5, 25.4; **HRESI-MS** (m/z): Calculated for $\text{C}_{15}\text{H}_{22}\text{N}_6\text{O}_3$ (M + Na): 357.1651, found (M + Na): 357.1653.

